

ABSTRACT

A seal segment for a turbine is provided having labyrinth teeth and a brush seal disposed along the labyrinth teeth. A plurality of the segments for a seal ring. The segments are separable from each other so that the seal can retract. Each segment has two ends, each of which abuts another segment, with those ends lying along along a radius (when looking down the shaft of the turbine). The brush disposed in each segment has ends that do not lie along a radius, but fit together in a tongue and groove configuration when the seal segments come together to form a seal.